



1

SEQUENCE LISTING

<110> KRUPP, GUIDO

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<140> 09/937,519

<141> 2002-03-05

<150> PCT/EP99/07127

<151> 1999-09-27

<150> DE 199 15 141.5

<151> 1999-03-26

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<170> PatentIn Ver. 3.3

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<211> 24
<212> DNA
<213> Enterobacter agglomerans

<400> 145
ataactactg gaaacggtag ctaa 24

<210> 146
<211> 24
<212> DNA
<213> Enterobacter agglomerans

<400> 146
aagtcgatgt gaaatccccg ggct 24

<210> 147
<211> 24
<212> DNA
<213> Enterobacter agglomerans

<400> 147
aactgcattg gaaactggca gctt 24

<210> 148
<211> 24
<212> DNA
<213> Enterobacter agglomerans

<400> 148
gtgtagcggg gaaatgcgta gaga 24

<210> 149
<211> 24
<212> DNA
<213> Enterobacter agglomerans

<400> 149
gctcagggtgc gaaagcgtgg ggag 24

<210> 150
<211> 24
<212> DNA
<213> Enterobacter agglomerans

<400> 150
ctcgtgttgt gaaatggttg gtta 24

<210> 151
<211> 24
<212> DNA
<213> Proteus vulgaris

<400> 151 ggtaacagga gaaagcttgc tttc	24
<210> 152 <211> 24 <212> DNA <213> Proteus vulgaris	
<400> 152 ataactactg gaaacggtgg ctaa	24
<210> 153 <211> 24 <212> DNA <213> Proteus vulgaris	
<400> 153 agtcagatgt gaaagccccg agct	24
<210> 154 <211> 24 <212> DNA <213> Proteus vulgaris	
<400> 154 aactgcatct gaaactggct ggct	24
<210> 155 <211> 24 <212> DNA <213> Proteus vulgaris	
<400> 155 gtgtagcggg gaaatgcgta gaga	24
<210> 156 <211> 24 <212> DNA <213> Proteus vulgaris	
<400> 156 gctcaggtgc gaaagcgtgg ggac	24
<210> 157 <211> 24 <212> DNA <213> Proteus vulgaris	
<400> 157 tcgttggtgt gaaatggttg gtta	24

<210> 158
 <211> 24
 <212> DNA
 <213> *Pseudomonas aeruginosa*

<400> 158
 ataacgtccg gaaacggccg ctaa 24

<210> 159
 <211> 24
 <212> DNA
 <213> *Pseudomonas aeruginosa*

<400> 159
 tcctgaggga gaaagtcggg gatc 24

<210> 160
 <211> 24
 <212> DNA
 <213> *Pseudomonas aeruginosa*

<400> 160
 agcttgatgt gaaatccccg ggct 24

<210> 161
 <211> 24
 <212> DNA
 <213> *Pseudomonas aeruginosa*

<400> 161
 gtgtagcggg gaaatgcgta gata 24

<210> 162
 <211> 24
 <212> DNA
 <213> *Pseudomonas aeruginosa*

<400> 162
 actgaggtgc gaaagcgtgg ggag 24

<210> 163
 <211> 24
 <212> DNA
 <213> *Pseudomonas fluorescens*

<400> 163
 ataacgttcg gaaacggacg ctaa 24

<210> 164
 <211> 24
 <212> DNA
 <213> *Pseudomonas fluorescens*

<400> 164
 tcctacggga gaaagcaggg gacc 24

<210> 165
 <211> 24
 <212> DNA
 <213> *Pseudomonas fluorescens*

<400> 165
 gacaatgggc gaaagcctga tcca 24

<210> 166
 <211> 24
 <212> DNA
 <213> *Pseudomonas fluorescens*

<400> 166
 agttggatgt gaaatccccg ggct 24

<210> 167
 <211> 24
 <212> DNA
 <213> *Pseudomonas fluorescens*

<400> 167
 gtgtagyggg gaaatgcggt gata 24

<210> 168
 <211> 24
 <212> DNA
 <213> *Pseudomonas fluorescens*

<400> 168
 actgaggtgc gaaagcgtgg ggag 24

<210> 169
 <211> 24
 <212> DNA
 <213> *Pseudomonas mendocina*

<400> 169
 ataacgttcc gaaaggaacg ctaa 24

<210> 170
 <211> 24
 <212> DNA
 <213> *Pseudomonas mendocina*

<220>
 <221> modified_base
 <222> (18)
 <223> a, c, g, t, unknown, or other

 <400> 170
 tcctacggga gaaagcangg gacc 24

<210> 171
 <211> 24
 <212> DNA
 <213> Pseudomonas mendocina

 <220>
 <221> modified_base
 <222> (19)
 <223> a, c, g, t, unknown, or other

 <400> 171
 gacaatgggc gaaagcctna tcca 24

<210> 172
 <211> 24
 <212> DNA
 <213> Pseudomonas mendocina

 <400> 172
 agttggatgt gaaagccccg ggct 24

<210> 173
 <211> 24
 <212> DNA
 <213> Pseudomonas mendocina

 <400> 173
 gtgtagcggc gaaatgcgta gata 24

<210> 174
 <211> 24
 <212> DNA
 <213> Pseudomonas mendocina

 <400> 174
 actgaggtgc gaaagcgtgg ggag 24

<210> 175
 <211> 24
 <212> DNA
 <213> Pseudomonas syringae

 <400> 175
 ataacgctcg gaaacggacg ctaa 24

<210> 176
 <211> 24
 <212> DNA
 <213> *Pseudomonas syringae*

<400> 176
 tcctacggga gaaagcaggg gacc 24

<210> 177
 <211> 24
 <212> DNA
 <213> *Pseudomonas syringae*

<400> 177
 gacaatgggc gaaagcctga tcca 24

<210> 178
 <211> 24
 <212> DNA
 <213> *Pseudomonas syringae*

<400> 178
 agttgaatgt gaaatccccg ggct 24

<210> 179
 <211> 24
 <212> DNA
 <213> *Pseudomonas syringae*

<400> 179
 gtgtagcggg gaaatgcgta gata 24

<210> 180
 <211> 24
 <212> DNA
 <213> *Pseudomonas syringae*

<400> 180
 actgaggtgc gaaagcgtgg ggag 24

<210> 181
 <211> 24
 <212> DNA
 <213> *Haemophilus influenzae*

<400> 181
 ggtagcagga gaaagcttgc ttcc 24

<210> 182
 <211> 24
 <212> DNA
 <213> Haemophilus influenzae

<400> 182
 ataactactg gaaacggtag ctaa 24

<210> 183
 <211> 24
 <212> DNA
 <213> Haemophilus influenzae

<400> 183
 taaagggggc gaaagctggt gccca 24

<210> 184
 <211> 24
 <212> DNA
 <213> Haemophilus influenzae

<400> 184
 cgcaatgggg gaaaccctga tgca 24

<210> 185
 <211> 24
 <212> DNA
 <213> Haemophilus influenzae

<400> 185
 agtgagggtgt gaaagccctg ggct 24

<210> 186
 <211> 24
 <212> DNA
 <213> Haemophilus influenzae

<400> 186
 gtgtagcggt gaaatgcgta gaga 24

<210> 187
 <211> 24
 <212> DNA
 <213> Haemophilus influenzae

<400> 187
 gctcatgtgt gaaagcgtgg ggag 24

<210> 188
 <211> 24
 <212> DNA
 <213> Haemophilus influenzae

<220>
 <221> modified_base
 <222> (24)
 <223> a, c, g, t, unknown, or other

 <400> 188
 ctcgtgttgt gaaatgttgg gttt 24

 <210> 189
 <211> 24
 <212> DNA
 <213> Haemophilus influenzae

 <400> 189
 gcgaatctca gaaagtgcac ctaa 24

 <210> 190
 <211> 24
 <212> DNA
 <213> Haemophilus ducreyi

 <400> 190
 ataactacgg gaaactgtac ctaa 24

 <210> 191
 <211> 24
 <212> DNA
 <213> Haemophilus ducreyi

 <400> 191
 cacaatgggg gaaaccctga tgca 24

 <210> 192
 <211> 24
 <212> DNA
 <213> Haemophilus ducreyi

 <400> 192
 agtgagatgt gaaagccccg ggct 24

 <210> 193
 <211> 24
 <212> DNA
 <213> Haemophilus ducreyi

 <400> 193
 gtgtagcggg gaaatgcgta gaga 24

<210> 194
 <211> 24
 <212> DNA
 <213> Haemophilus ducreyi

 <400> 194
 gctcatgtgc gaaagcgtgg ggag 24

<210> 195
 <211> 24
 <212> DNA
 <213> Haemophilus ducreyi

 <220>
 <221> modified_base
 <222> (24)
 <223> a, c, g, t, unknown, or other

 <400> 195
 ctcgtgttgt gaaatgttgg gttn 24

<210> 196
 <211> 24
 <212> DNA
 <213> Bacteroides acidofaciens

 <400> 196
 atagcctttc gaaagaaaga ttaa 24

<210> 197
 <211> 24
 <212> DNA
 <213> Bacteroides acidofaciens

 <400> 197
 agtcagttgt gaaagtttgc ggct 24

<210> 198
 <211> 24
 <212> DNA
 <213> Bacteroides acidofaciens

 <400> 198
 aattgcagtt gaaactggca gtct 24

<210> 199
 <211> 24
 <212> DNA
 <213> Bacteroides acidofaciens

 <400> 199
 gtgtagcggg gaaatgctta gata 24

<210> 200
 <211> 24
 <212> DNA
 <213> Bacteroides acidofaciens

<400> 200
 actgatgctc gaaagtgtgg gtat 24

<210> 201
 <211> 24
 <212> DNA
 <213> Bacteroides acidofaciens

<400> 201
 cggcaacggt gaaactcaaa ggaa 24

<210> 202
 <211> 24
 <212> DNA
 <213> Bacteroides acidofaciens

<400> 202
 gaataacgtg gaaacatggt agcc 24

<210> 203
 <211> 63
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<400> 203
 acgtagtttc ggcctttcgg cctcatcagc gtgcagtggg gggacatcaa gcagccatgc 60
 aaa 63

<210> 204
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 nucleotide motif

<220>
 <221> modified_base
 <222> (14)..(19)
 <223> a, c, g, t, unknown, or other

<400> 204
gcgtttcgat tccnnnnnn

19

<210> 205
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
nucleotide motif

<220>
<221> modified_base
<222> (1)..(6)
<223> a, c, g, u, unknown, or other

<400> 205
nnnnnnnggaa ucgaaacgc

19

<210> 206
<211> 32
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
probe

<220>
<221> modified_base
<222> (24)
<223> Pyridin-4-one

<400> 206
gcgucuagcg gaaacgcuac ugangagauu cc

32

<210> 207
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 207
gggagcagct atggaaaygt taaaaga

27

<210> 208
<211> 13
<212> RNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
 <221> modified_base
 <222> (1)..(5)
 <223> a, c, g, u, unknown, or other

<220>
 <221> modified_base
 <222> (10)..(13)
 <223> a, c, g, u, unknown, or other

<220>
 <223> See specification as filed for detailed description
 of preferred embodiments

<400> 208
 nnnnnngaaan nnn

13

<210> 209
 <211> 17
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
 <221> modified_base
 <222> (1)..(5)
 <223> a, c, g, u, unknown, or other

<220>
 <221> modified_base
 <222> (10)
 <223> a, c, g, u, unknown, or other

<220>
 <221> modified_base
 <222> (13)..(17)
 <223> a, c, g, u, unknown, or other

<220>
 <223> See specification as filed for detailed description
 of preferred embodiments

<400> 209
 nnnnnncugan gannnnn

17

<210> 210
 <211> 32
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
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 <222> (1)..(4)
 <223> a, c, g, u, unknown, or other

<220>
 <221> modified_base
 <222> (7)..(20)
 <223> a, c, g, u, unknown, or other

<220>
 <221> modified_base
 <222> (25)
 <223> a, c, g, u, unknown, or other

<220>
 <221> modified_base
 <222> (28)..(32)
 <223> a, c, g, u, unknown, or other

<400> 210
 nnnnucnnnn nnnnnnnnnn cugangannn nn

32

<210> 211
 <211> 32
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
 <221> modified_base
 <222> (1)..(4)
 <223> a, c, g, u, unknown, or other

<220>
 <221> modified_base
 <222> (25)
 <223> a, c, g, u, unknown, or other

<220>
 <221> modified_base
 <222> (28)..(32)
 <223> a, c, g, u, unknown, or other

<220>
 <223> See specification as filed for detailed description
 of preferred embodiments

<400> 211
nnnnucugc cgcaagucga cugangan nn

32

<210> 212
<211> 32
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (1)..(4)
<223> a, c, g, u, unknown, or other

<220>
<221> modified_base
<222> (25)
<223> Pyridin-4-one

<220>
<221> modified_base
<222> (28)..(32)
<223> a, c, g, u, unknown, or other

<220>
<223> See specification as filed for detailed description
of preferred embodiments

<400> 212
nnnnucugc ggaaacgcua cugangan nn

32

<210> 213
<211> 28
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base
<222> (1)..(5)
<223> a, c, g, u, unknown, or other

<220>
<221> modified_base
<222> (10)..(21)
<223> a, c, g, u, unknown, or other

<220>
 <221> modified_base
 <222> (24)..(28)
 <223> a, c, g, u, unknown, or other

<400> 213
 nnnnngaaan nnnnnnnnnn nucnnnnn

28

<210> 214
 <211> 28
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
 <221> modified_base
 <222> (1)..(5)
 <223> a, c, g, u, unknown, or other

<220>
 <221> modified_base
 <222> (24)..(28)
 <223> a, c, g, u, unknown, or other

<400> 214
 nnnnngaaac ucaaaaauga gucnnnnn

28

<210> 215
 <211> 13
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<220>
 <221> modified_base
 <222> (1)..(4)
 <223> a, c, g, t, unknown, or other

<220>
 <221> modified_base
 <222> (9)..(13)
 <223> a, c, g, t, unknown, or other

<400> 215
 nnnntttcnn nnn

13

<210> 216
 <211> 13
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
 <221> modified_base
 <222> (1)..(4)
 <223> a, c, g, u, unknown, or other

<220>
 <221> modified_base
 <222> (9)..(13)
 <223> a, c, g, u, unknown, or other

<400> 216
 nnnngaaann nnn

13

<210> 217
 <211> 12
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 primer

<220>
 <221> modified_base
 <222> (1)..(4)
 <223> a, c, g, t, unknown, or other

<220>
 <221> modified_base
 <222> (9)..(12)
 <223> a, c, g, t, unknown, or other

<400> 217
 nnnntttcnn nn

12

<210> 218
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
 <221> modified_base
 <222> (1)..(6)
 <223> a, c, g, t, unknown, or other

<220>
 <221> modified_base
 <222> (21)..(27)
 <223> a, c, g, t, unknown, or other

<400> 218
 nnnnnntccg agccggwcgr nnnnnnn

27

<210> 219
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
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 <222> (1)..(6)
 <223> a, c, g, t, unknown, or other

<220>
 <221> modified_base
 <222> (23)..(29)
 <223> a, c, g, t, unknown, or other

<400> 219
 nnnnnnrggc tagchacaac gannnnnnn

29

<210> 220
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
 <221> modified_base
 <222> (1)..(6)
 <223> a, c, g, t, unknown, or other

<400> 220
 nnnnnntccg agccggac

18

<210> 221
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
 <221> modified_base
 <222> (1)..(5)
 <223> a, c, g, t, unknown, or other

<220>
 <221> modified_base
 <222> (10)..(17)
 <223> a, c, g, t, unknown, or other

<400> 221
 nnnnntcgt nnnnnnn

17

<210> 222
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
 <221> modified_base
 <222> (1)..(6)
 <223> a, c, g, t, unknown, or other

<220>
 <221> modified_base
 <222> (21)..(25)
 <223> a, c, g, t, unknown, or other

<400> 222
 nnnnnntccg agccggacga nnnnn

25

<210> 223
 <211> 40
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 probe

<220>

<221> modified_base

<222> (29)

<223> Pyridin-4-one

<400> 223

uuuuuacruc uagcggaaac gcuacugang acauagcugc